

VITILAN V3 2.0

VITILAN V3 2.0 Folding Electric Bike User Manual

Model: V3 2.0

1. INTRODUCTION

Welcome to the VITILAN V3 2.0 Folding Electric Bike user manual. This guide provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure proper use and to maximize your riding experience.

2. SAFETY INFORMATION

Your safety is paramount. Adhere to the following guidelines to prevent accidents and ensure a safe riding experience:

- Always wear a certified helmet when riding the electric bike.
- Obey all local traffic laws, regulations, and road signs.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery, and all fasteners.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings, pedestrians, and other vehicles at all times.
- Ensure the battery is securely locked in its compartment before riding.
- Avoid riding in extreme weather conditions such as heavy rain, snow, or strong winds.
- Maintain a safe distance from other vehicles and obstacles.

For detailed safety guidelines, refer to local cycling laws and regulations in your area.

3. SETUP AND ASSEMBLY

Your VITILAN V3 2.0 electric bike arrives 95% pre-assembled. The remaining assembly steps typically involve attaching the front wheel, handlebars, pedals, and seat. Follow these instructions carefully.

3.1 Initial Steps

1. Unpack the bicycle and all components carefully from the shipping box.
2. Remove all packaging materials, zip ties, and protective wraps.
3. Inspect the bike for any visible damage that may have occurred during shipping. Contact customer support

immediately if you find any damage.

3.2 Assembly Video Guide

Your browser does not support the video tag.

This video demonstrates the assembly process for the VITILAN V3 electric bike, including attaching the front wheel, handlebars, and pedals. Follow the visual instructions for a smooth setup.

3.3 Battery Installation and Charging

The 48V 13Ah removable lithium battery is designed for easy installation and secure locking within the bike frame.

48V 13AH

REMOVABLE LITHIUM BATTERY

- 30 Miles:**
Electric Mode
- 50 Miles:**
PAS Mode
- Anti-theft:**
Battery Keys
- 5-6H**
Charging Time

48V 13AH Large Capacity	30 Miles Range	Removable Battery Packs	2A Fast Charge Function
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Image shows the internal structure of the 48V 13Ah removable lithium battery, highlighting its placement within the bike frame. It also indicates a charging time of 5-6 hours and estimated ranges of 30 miles in electric mode and 50 miles in pedal-assist (PAS) mode.

1. Insert the battery into the designated compartment in the bike frame.

2. Use the provided key to lock the battery securely in place. Ensure it clicks and is firm.
3. Connect the charger to the battery charging port (usually located on the battery or frame) and then plug the charger into a standard power outlet.
4. Charge the battery fully before the first use. A full charge typically takes 5-6 hours. The charger indicator light will change when charging is complete.

3.4 Folding Mechanism

The aluminum alloy frame allows for convenient folding, making the bike easier to store in small spaces or transport in a vehicle.



This image illustrates the folding design of the VITILAN V3 2.0 electric bike, showing how it can be compacted for space-saving storage and portability.

1. Locate the folding latch on the main frame.
2. Open the latch and carefully fold the frame in half.
3. Adjust the handlebars and seat post as needed for compact storage.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and features of your VITILAN V3 2.0 electric bike before riding.

4.1 Powering On and Display

The bike features a multi-function color LCD display for monitoring ride data and controlling settings.

MULTI-FUNCTION COLOR LCD DISPLAY

Screen is clearly visible in sunlight



- ✓ Clear & Beautiful
- ✓ Colorful
- ✓ IPX5 Waterproof
- ✓ Multiple Parameters
- ✓ Large Dimension

VS

- ✗ Unclear & Dark
- ✗ Mono-color
- ✗ Not Waterproof
- ✗ Fewer parameters
- ✗ Small Dimension



PAS 1-5 Levels



Battery Levels



Speed



Headlight



Mileage



Driving Modes

This image displays the multi-function color LCD screen, which is clearly visible in sunlight and shows parameters like PAS levels, battery levels, speed, headlight status, mileage, and driving modes.

Your browser does not support the video tag.

This short video demonstrates how to power on the display by pressing and holding the switch, showing the display lighting up and cycling through different speed settings.

1. Press and hold the power button on the display control panel to turn the bike on or off.
2. The LCD display will show current speed, battery level, pedal assist level (PAS), odometer, and other ride data.
3. Use the '+' and '-' buttons on the control panel to adjust the PAS level (1-5 levels). Higher levels provide more motor assistance.

4.2 Motor and Speed Control

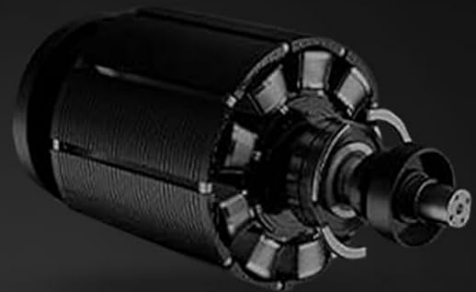
The VITILAN V3 2.0 is equipped with a powerful 750W brushless motor, capable of reaching speeds up to 28 MPH.

PEAK 1200W BRUSHLESS MOTOR



VITILAN

VS



OTHERS

✓ POWERFUL

✓ UPHILL ANGLE: 35°

✓ TOP SPEED: 28MPH

✓ RATED POWER: 750W

✓ PEAK POWER: 1200W

✓ TORQUE: 80N/M

✓ QUIET: LOW NOISE

✗ POWERLESS

✗ UPHILL ANGLE: 25°

✗ TOP SPEED: 20MPH

✗ RATED POWER: 500W

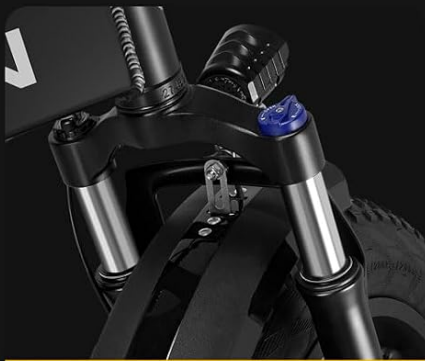
✗ PEAK POWER: 1000W

✗ TORQUE: 60N/M

✗ NOISE: HIGH NOISE

This image compares the VITILAN 750W (1200W Peak) brushless motor with other motors, highlighting its higher uphill angle capability (35°), top speed (28 MPH), rated power (750W), peak power (1200W), torque (80N/M), and low noise operation.

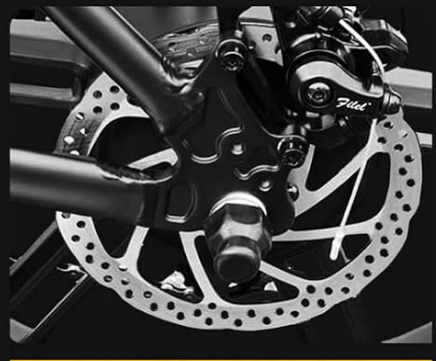
The bike features a 7-speed gear system, allowing you to adjust your pedaling effort and adapt to various terrains.



Fork Shock Absorber



Lockable Battery



Dual Disc Brake



USB Charge for Phone



Headlight



Turn Tail Light



Shimano 7-Speed



Adjustable Saddle



Rear Rack

This image shows various features of the bike, including the Shimano 7-speed shifter, adjustable saddle, and rear rack.

4.3 Tires and Suspension

The 20"x4.0" fat tires provide stability and traction across various terrains, including pavement, gravel, and uneven roads. The front suspension fork absorbs shocks for a more comfortable ride.

ALUMINUM ALLOY



Thick: 10mm

Lightweight: 64lbs

Maximum Load: 330LBS

Hard: Anti-fracture

Safe: Corrosion Resistant

Durable: 10+ Years



Thin: 5mm

Heavy: 75lbs

Maximum Load: 220LBS

Vulnerable: Break & Bend

Unsafe: Rust & Corrode

Not Durable: 1-2 Years

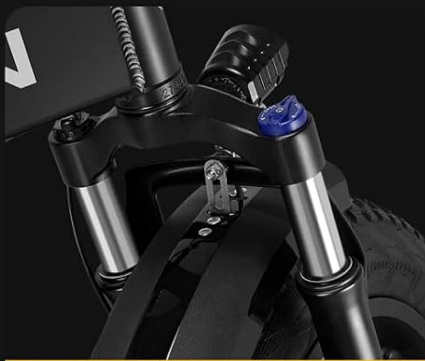


CARBON STEEL

This image highlights the 20"x4.0" CST all-terrain fat tires, emphasizing their anti-slip, wear-resistant, and puncture-resistant qualities, suitable for city, beach, gravel, and snow roads.

4.4 Braking System

The bike is equipped with LOGAN hydraulic disc brakes on both the front and rear wheels for responsive and reliable stopping power.



Fork Shock Absorber



Lockable Battery



Dual Disc Brake



USB Charge for Phone



Headlight



Turn Tail Light



Shimano 7-Speed



Adjustable Saddle

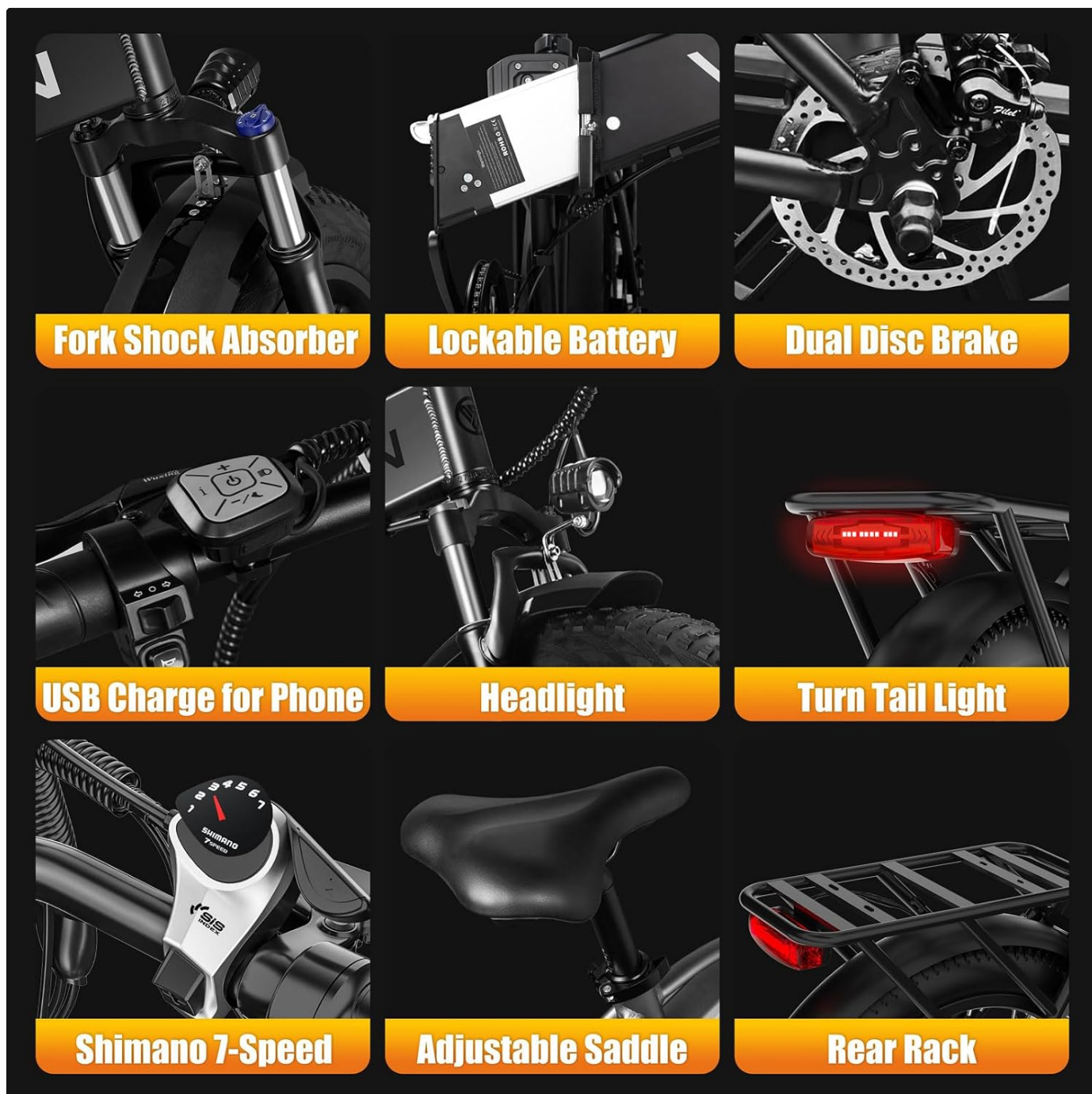


Rear Rack

This image shows various features of the bike, including the dual disc brake system, which provides effective braking performance.

4.5 Lights and USB Charging

For enhanced visibility and safety, the bike includes a front headlight, rear taillight, and wheel reflectors. A convenient USB port is integrated for charging mobile devices on the go.



This image shows various features of the bike, including the front headlight, rear turn signal light, and a USB charging port for phones, enhancing both safety and convenience.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your VITILAN V3 2.0 electric bike.

5.1 General Care

- Keep the bike clean, especially the drivetrain components (chain, gears, derailleur). Use a damp cloth and mild soap, avoiding high-pressure water jets on electrical components.
- Regularly check tire pressure (refer to the tire sidewall for recommended PSI) and inflate as needed to ensure efficient riding and prevent punctures.
- Lubricate the chain periodically with appropriate bicycle chain lubricant to ensure smooth shifting and prevent rust.

5.2 Brake System Maintenance

- Inspect brake pads for wear and replace them when they reach their wear limit.
- Check brake levers for proper tension and responsiveness. If they feel spongy, the hydraulic system may need bleeding by a qualified mechanic.
- Ensure hydraulic lines are free from leaks or damage.

5.3 Battery Care

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures, when not in use.
- Avoid fully discharging the battery frequently, as this can reduce its lifespan.
- If storing the bike for an extended period, charge the battery to approximately 60-80% and recharge it at least once every two months.

5.4 Frame Inspection

The aluminum alloy frame is designed for durability and corrosion resistance, offering a long service life.



20" X 4.0" CST

ALL TERRAIN FAT TIRE

Challenge a variety of terrain, not only can you ride farther, but also ride safer.






 20"*4" ✓ CST Tire ✓ Anti-slip ✓ Wear Resistant ✓ Puncture Resistant ✓ One Piece VITILAN	 20"*3" ✗ No Brand ✗ Non-slip ✗ Unwearable ✗ Puncture Prone ✗ Spoked Wheel OTHER
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This image compares the VITILAN aluminum alloy frame (10mm thick, 64lbs, 330lbs max load, anti-fracture, corrosion resistant, 10+ years durable) with a carbon steel frame, highlighting the superior properties of aluminum for strength and longevity.

- Periodically check the frame for any cracks, dents, or signs of stress, especially around welds and joints.
- Ensure all bolts, nuts, and fasteners are tightened to the manufacturer's specifications. Refer to the assembly guide for torque values if available.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your electric bike and provides potential solutions.

6.1 Common Issues and Solutions

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, not properly seated, or power button not pressed correctly.	Check battery charge level. Ensure battery is fully inserted and locked. Press and hold the power button for a few seconds.
Motor not assisting	PAS level set to zero, brake levers engaged (safety cut-off), or motor cable connection issue.	Increase PAS level using the '+' button. Release brake levers completely. Check all motor cable connections for looseness.
Brakes feel weak or spongy	Worn brake pads, air in hydraulic lines, or misaligned calipers.	Inspect and replace brake pads if worn. If hydraulic, consult a bike mechanic for hydraulic system bleeding or caliper adjustment.
Gears not shifting smoothly	Derailleur misalignment, stretched gear cable, or dirty drivetrain.	Clean and lubricate the drivetrain. Adjust derailleur limits and cable tension. If issues persist, consult a bike mechanic.
Unusual noises during riding	Loose components, dry chain, or brake rub.	Inspect all bolts and fasteners for tightness. Lubricate the chain. Check for brake pad rubbing against the rotor and adjust calipers if necessary.

If you encounter an issue not listed here or cannot resolve a problem, please contact VITILAN customer support for assistance.

7. SPECIFICATIONS

Detailed technical specifications for the VITILAN V3 2.0 Folding Electric Bike:

Feature	Detail
Model	V3 2.0
Brand	VITILAN
Motor	750W (1200W Peak) Brushless Hub Motor
Battery	48V 13Ah (624Wh) Removable Lithium Battery
Max Speed	Up to 28 MPH
Estimated Range	40-60 miles per charge (depending on conditions)
Tires	20" x 4.0" Fat Tires
Brakes	LOGAN Hydraulic Disc Brakes
Gears	7-Speed (Trigger Shifter)
Frame Material	Aluminum Alloy

Feature	Detail
Suspension	Front Suspension Fork
Display	Multi-function Color LCD Display
Special Features	Adjustable Seat, Headlight, Taillight, USB Charging Port, Foldable Design
Pre-Assembly Level	95%
Weight (Bike)	Approximately 64 lbs
Maximum Load Capacity	330 lbs

8. WARRANTY AND SUPPORT

Your VITILAN V3 2.0 Folding Electric Bike is backed by a comprehensive warranty and dedicated customer support.

8.1 Warranty Information

The VITILAN V3 2.0 Folding Electric Bike comes with a 1-year (12 months) limited warranty. This warranty covers manufacturing defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For warranty claims, technical assistance, troubleshooting guidance, or any product-related inquiries, please contact VITILAN customer support. Our team is available to help you with any questions or issues you may have.

- **Manufacturer:** Guangzhou Gedesheng Electric Vehicle Co., Ltd.
- For further assistance, please visit the official VITILAN store or contact their customer service directly through the platform where you purchased the product.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question